## Desidonie. D71801

## Table 1

Parameter Threshold	Perkin-Elmer Applied Biosystems, Foster City, CA.	Perkin-Elmer Applied Biosystems, Poster City, CA: Paracel Inc., Pasadena, CA.	olied Biosystems,	Altschul, S.F. et al. (1990) J. Mol. Biol. ESTs: Probability value ± 1.0E-8 215:403-410; Altschul, S.F. et al. (1997) or less Full Longin sequences: Probability value = 1.0E-10 or less value = 1.0E-10 or less	Lipman (1988) Proc. 1-2448; Pearson, W.R. ol. 183: 63-98; and Aaterman (1981) Adv.	s nikoff and S. Enzymol. 266:88-105; a 997) J. Chem. Inf.	
Description Reference	A program that removes vector sequences and masks Perkin-Elmer App ambiguous bases in nucleie acid sequences. Foster City, CA.	A Fast Data Finder useful in comparing and annotating Perkin-Elmer Applied Biosystems, annito acid or nucleic acid sequences.  Foster City, CA: Paracel Inc., Pass	A program that assembles nucleic acid sequences. Perkin-Biner Applied Biosystems, Foster City, CA.	A Basic Local Alignment Search Tool useful in sequence. 215:403-410; Alschul, S.F. et al. (1990) J. Mol. Similarity search for amino acid and nucleic acid sequences. 215:403-410; Alschul, S.F. et al. (1990) J. Mol. BLAST includes five functions: Dlasty, blastn, and tblasts.	A Pearson and Lipman algorithm that searches for similarity Pearson, W.R. and DJ Stevensor a query sequence and a group of sequences of the Nad Acad Sci. 852444 same type. FASTA comprises as least five functions: fasta, (1990) Methods Enzym Ifiasta, fastx, flastx, and ssearch.  Smith, T.E. and M.S. Appl. Math. 22482-489.	A BLocks IMProved Scarcher that matches a sequence Henikoff, S and J G. Henikoff, 1996, 1907. J G. H. For gene families, sequence homology, and structural Henikoff (1996) Methods fingerprint regions.  Comput. Sci. 37, 417-437. Comput. Sci. 37, 417-437.	A Hidden Markov Models-based annification weeful for
Program	ABI FACTURA	ABIPARACEL FDF	ABI AutoAssembler	BLAST	FASTA	BLIMPS	PFAM ,

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## Table 1 cont.

Program	Description	Reference	Parameter Threshold
ProfileScan	An algorithm that searches for structural and sequence moifs in protein sequences that match sequence patterns defined in Prostic.	Gribskov, M. et al. (1988) CABIOS 4:61-66; Gribskov, et al. (1989) Methods Enzymol. 183:146-159; Bairoch, A. et al. (1997) Nucleic Acids Res. 25: 217-221.	Score= 4.0 or greater
Phred	A base-calling algorithm that examines automated sequencer traces with high sensitivity and probability.	Ewing, B. et al. (1998) Genome Ress, B.175-185; Ewing, B. and P. Green (1998) Genome Ress, 8:186- 194.	
Рћгар	A Phils Revised Assembly Program including SWAT and CrossMatch, programs based on efficient implementation of the Smith-Waterman algorithm, useful in searching sequence homology and assembling DNA sequences.	Smith, T.F. and M. S. Waterman (1981) Adv. Appl. Math. 2482-489. Smith. T.F. and M. S. Waterman (1981) J. Mol. Biol. 147:195-197. and Green, P., University of Washington, Scaule, WA.	Score= 120 or greater; Match length= 56 or greater
Consed	A graphical tool for viewing and editing Phrap assemblies	Gordon, D. et al. (1998) Genome Res. 8:195-202.	
SPScan	A weight matrix analysis program that scans protein sequences for the presence of secretory signal peptides.	Nielson, H. et al. (1997) Protein Engineering 10:1-6; Claverie, J.M. and S. Audic (1997) CABIOS 12: 431-439.	Score=5 or greater
Motifs	A program that searches amino acid sequences for patterns that matched those defined in Prosite.	Bairoch et al. sugna; Wisconsin Package Program Manual, version 9, page MS1-59, Genetics Computer Group, Madison, WI.	